Arizona State Retirement System Board



US Equity Small Cap Asset Class

Gary R. Dokes, Chief Investment Officer Dan Kapanak, Manager of Investment Strategies Terry A. Dennison, Mercer Investment Consulting

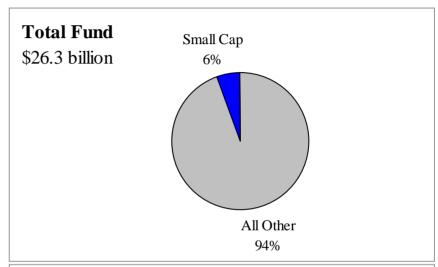
February 16, 2007

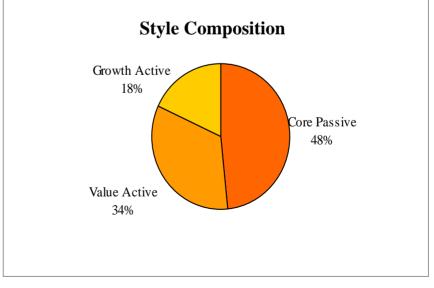
Presentation Topics

- Small Cap Manager Reviews (aggregate)
 - Asset Class Snapshot
 - Mandates Overview
 - Excess Returns
 - Value Added in Dollars
 - ASRS Small Cap Equity Asset Class vs. Russell 2000
 - Style Analysis
- Small Cap Manager Reviews (individual)
 - Performance Analysis
 - Style Analysis
 - Organizational Issues
 - Assessment

ASRS US Equity Small Cap Asset Class December 31, 2006

- Market Value: \$1.7b
- Passive Percent: 48%
 - − Target 30% ±20%
- Active Style Composition:
 - Growth: 35%
 - Value: 65%
- Portfolios:
 - 1 Passive
 - 3 Active:
 - Quantitative: 2
 - Fundamental: 1
- Average Fee: 22 bp





ASRS US Equity Small Cap Managers Mandates

December 31, 2006

Manager	Style	Benchmark	Inception	Fee (bp)	Expected Alpha (bp)	Portfolio Assets (\$mil)	Strategy Assets (\$mil)
Active							
DFA*	Value	R2000 Val	8/31/98	21	200	\$ 557	\$ 35,984
Batterymarch*	Growth	R2000 Gr	12/31/04	70	230	\$ 140	\$ 1,322
TimesSquare	Growth	R2500 Gr	3/31/05	85	215	\$ 158	\$ 2,323
Passive							
E6**	Core	S&P 600	1/31/2007	1	10	\$ 796	\$ 796

^{*}Effective 1/2/2007, the DFA and Batterymarch benchmarks became S&P 600/Citigroup Style Indices.

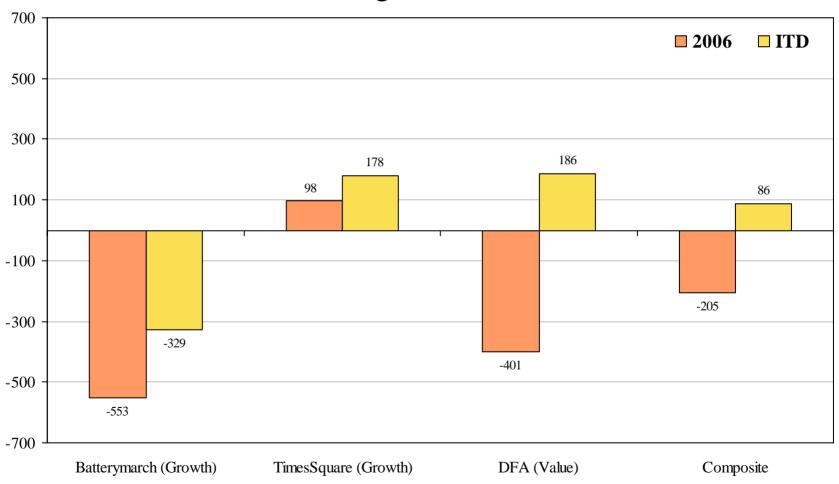
Note: The relatively high exposure to passive is a function of the current limited universe of small-cap equity managers with favorable investment process/performance attributes and available mandate capacity. The ASRS intends to initiate an active small-cap growth manager search when conditions improve.

^{**} The terminated Mellon Capital R2000 passive mandate, which included \$255 million from the active Byram mandate terminated in 2/2006, was the primary funding source for the E6 transition account.

ASRS US Equity Small Cap Managers

Excess Returns

Period Ending December 31, 2006



SmallCap Composite includes all active and terminated managers

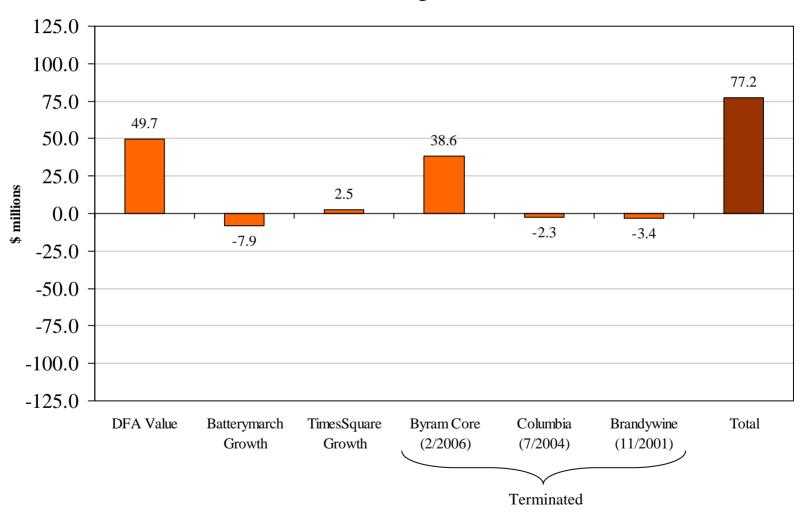
SmallCap asset class inception date: June 30, 2002

Excess returns are net of fees

ASRS US Equity Small Cap Active Managers Value Added in Dollars

Value Added in Dollars

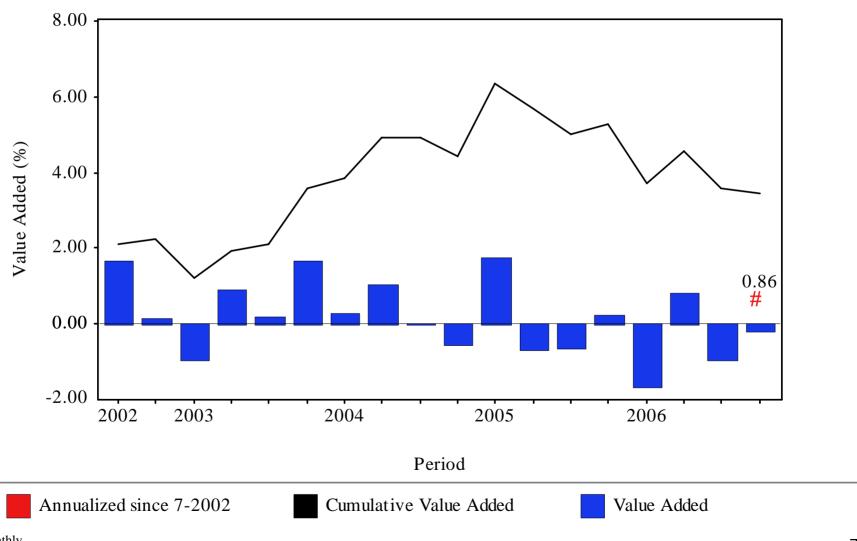
10 Year Period Ending December 31, 2006



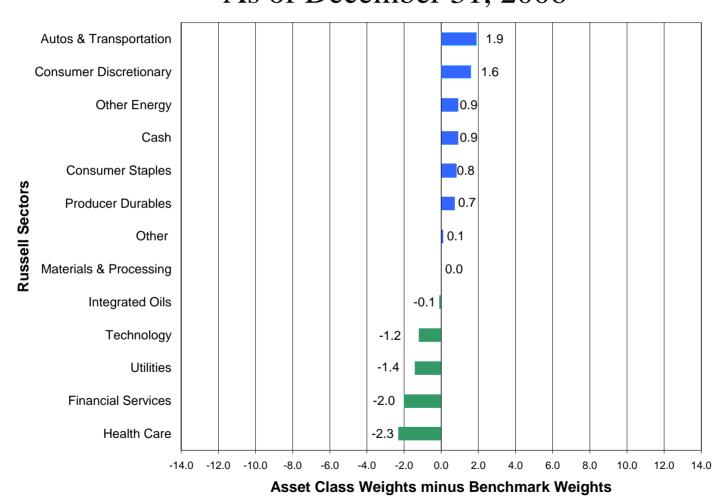
ASRS US Equity Small Cap Asset Class

Value Added Relative to Russell 2000

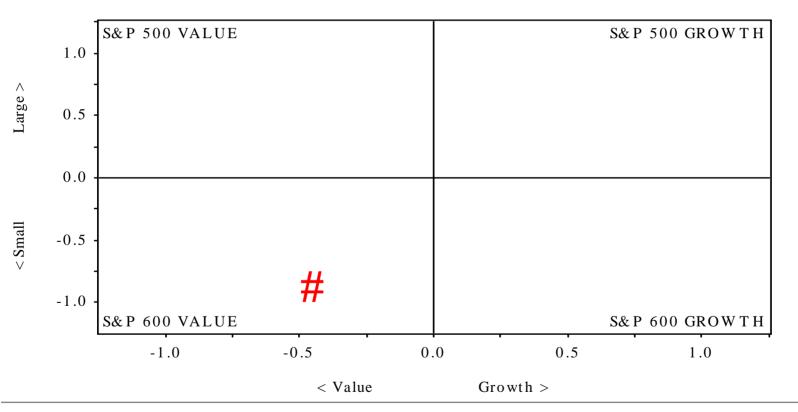
July 2002 to December 2006



ASRS US Equity Small Cap Asset Class Style Analysis: Economic Sectors As of December 31, 2006

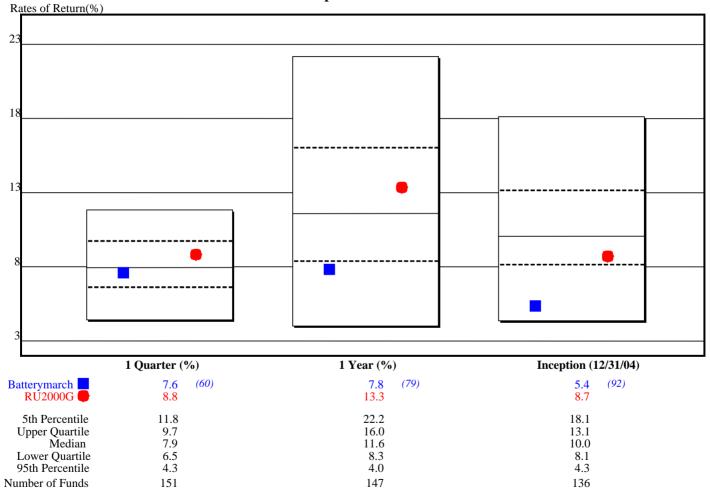


ASRS US Equity Small Cap Asset Class Style Analysis July 2002 to December 2006

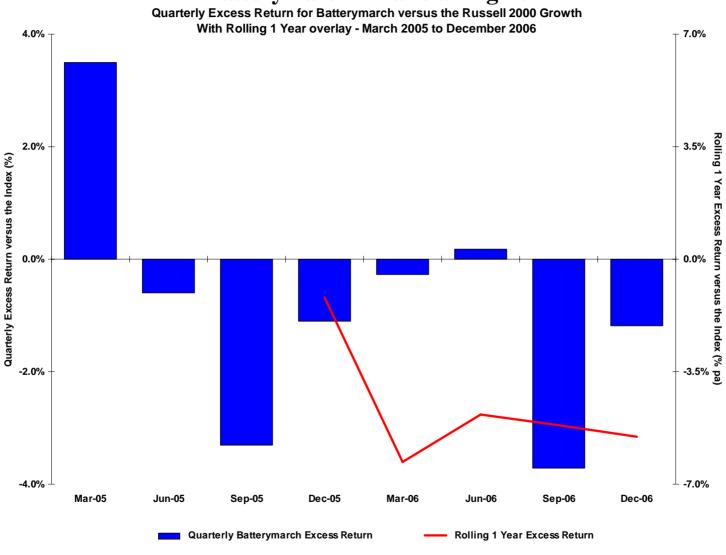


SC Asset Class

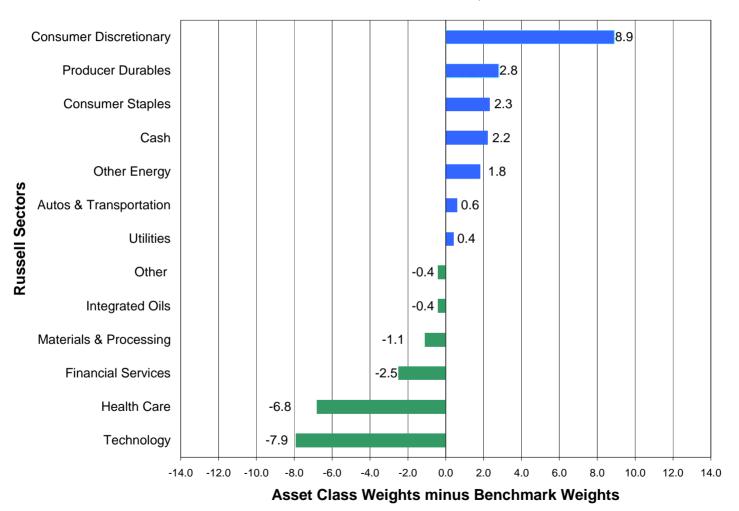
Batterymarch Financial Mgmt
Comparison with the Mercer US Equity Small Cap Growth Universe
Performance for periods ended December 2006



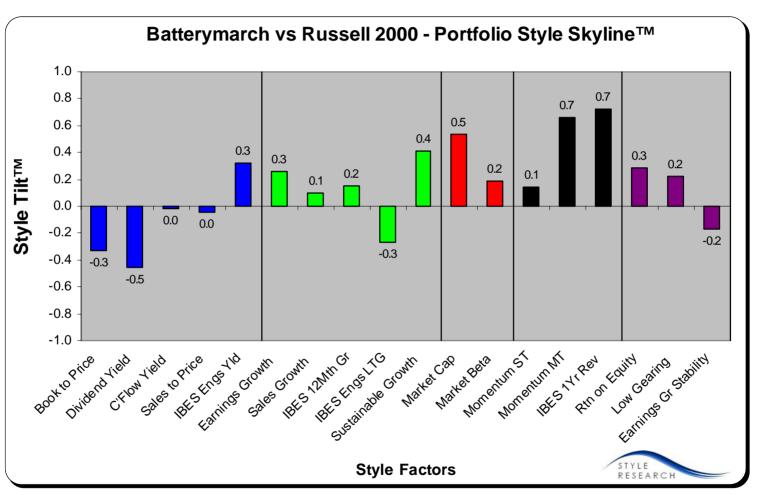
Batterymarch Financial Mgmt



Batterymarch Financial Management Style Analysis: Economic Sectors As of December 31, 2006



Batterymarch Financial Management



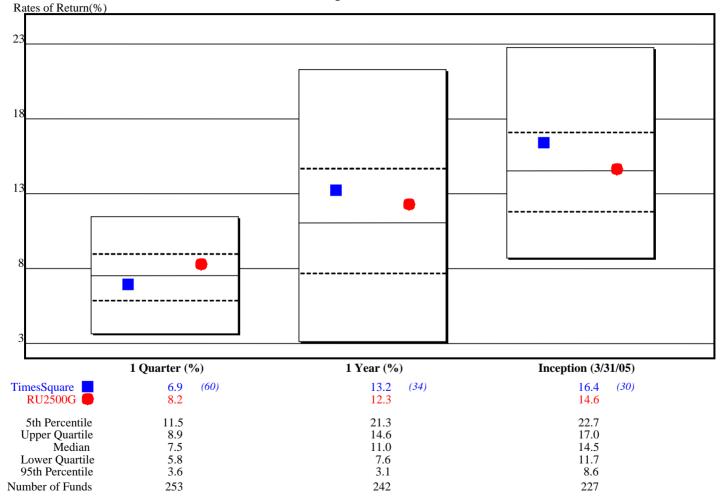
Batterymarch Financial Management Organizational Issues

• No organization concerns at this time.

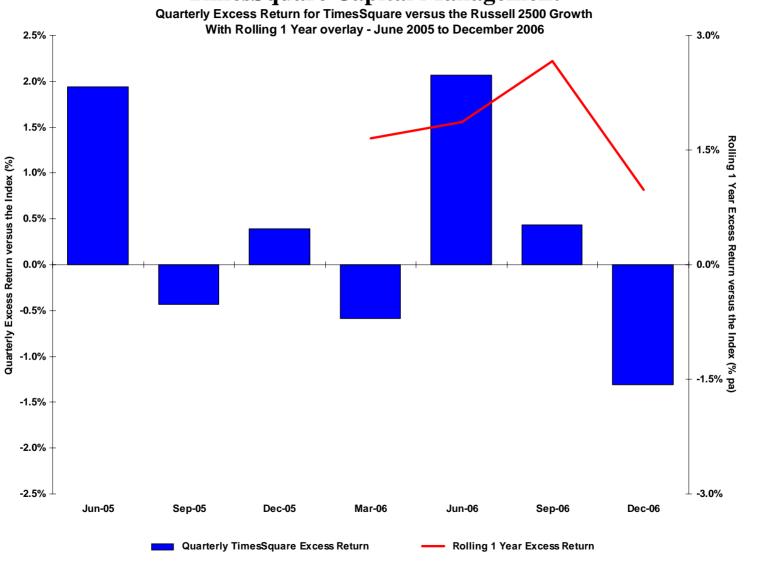
Batterymarch Financial Management Assessment

- For all periods evaluated, Batterymarch underperformed the index and placed below the universe median.
- Mercer rates this product A (above average probability of outperformance).

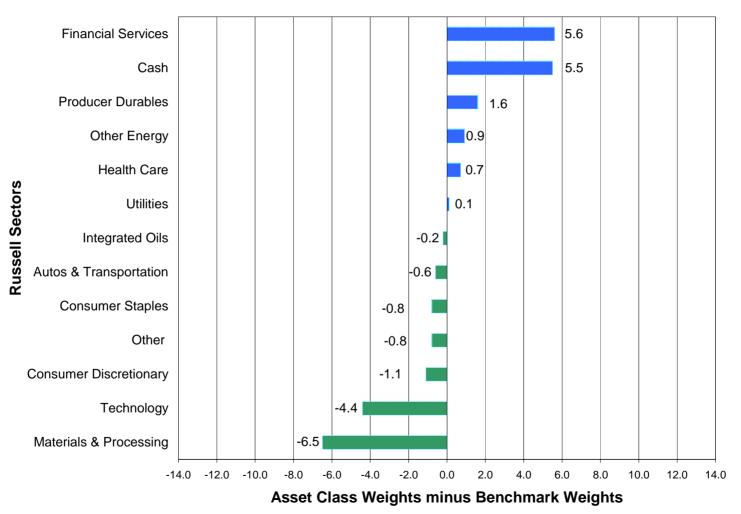
TimesSquare Capital Management
Comparison with the Mercer US Equity Small+Mid Growth Universe
Performance for periods ended December 2006



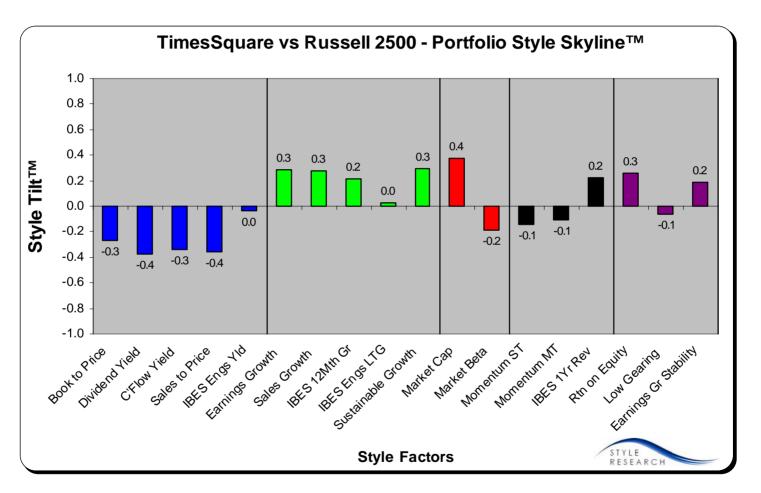
TimesSquare Capital Management



TimesSquare Capital Management Style Analysis: Economic Sectors As of December 31, 2006



TimesSquare Capital Management



TimesSquare Capital Management Organizational Issues

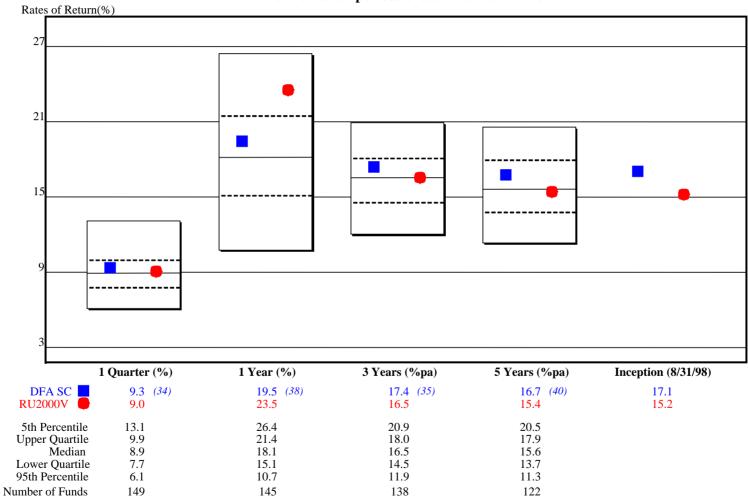
• No organization concerns at this time.

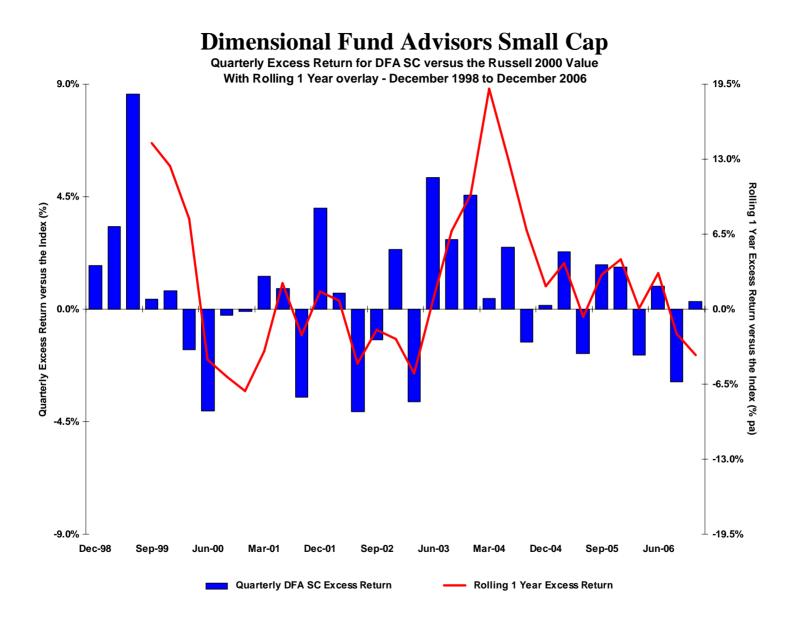
TimesSquare Capital Management Assessment

- For the recent quarter, TimesSquare underperformed the index and placed below the universe median. For all other periods evaluated, the portfolio outperformed its benchmarks.
- Mercer rates this product A (above average probability of outperformance).

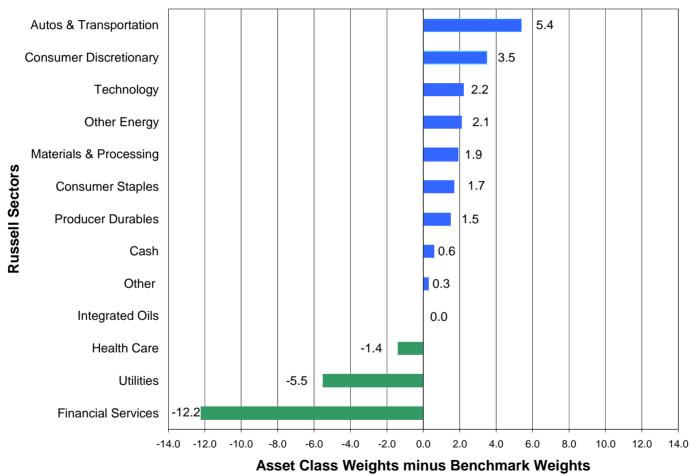
Dimensional Fund Advisors Small Cap

Comparison with the Mercer US Equity Small Cap Value Universe Performance for periods ended December 2006

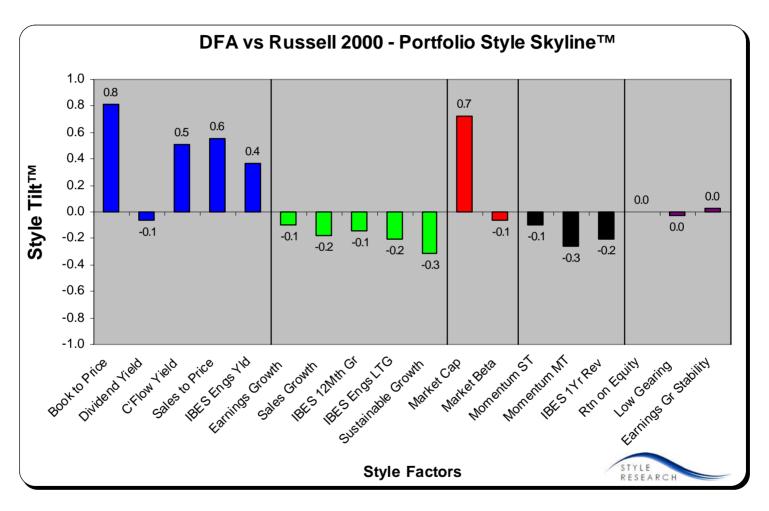




Dimensional Fund Advisors Style Analysis: Economic Sectors As of December 31, 2006



Dimensional Fund Advisors



Dimensional Fund Advisors Organizational Issues

• No organization concerns at this time.

Dimensional Fund Advisors Assessment

- DFA outperformed the index for all periods evaluated except 1 year. The portfolio placed above the universe median for all periods.
- Mercer rates this product B (average probability of outperformance).

Mercer Ratings Scale

A, A- = Above average probability of outperformance

B+, B, B- = Average probability of outperformance

C = Below average probability of outperformance

N = Not rated

What Do the Ratings Mean?

- Mercer's view on prospective future performance relative to benchmark over the medium term (3 to 5 yrs)
- Relative to risk of underperforming benchmark
- May or may not be in keeping with past performance